



Land Surveyors
Construction Stakeout
Certified Minority Contractor

11-109

J. A. RICE, INC.

P.O. Box 1288
Millersville, MD 21108
410-987-4286
FAX 410-987-3633

Received & Inspected

JUL 25 2011

FCC Mail Room

July 19, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by Land Surveyors and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way we build and manage our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc. GPS has become an essential tool for design professionals and it is imperative that these GPS signals are not jeopardized by broadband technology.

This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,
J.A. RICE, INC.

Mark E. Powell
Licensed Surveyor

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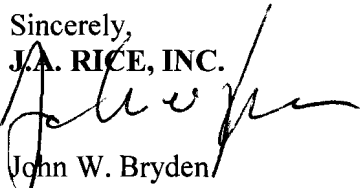
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Sincerely,
J.A. RICE, INC.


John W. Bryden
Licensed Surveyor

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LETA BODE



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Certified Minority Contractor

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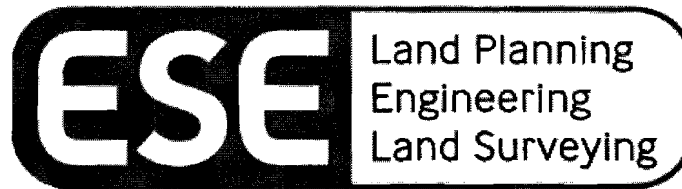
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Sincerely,
J.A. RICE, INC.

William C. Rice, Sr.
William C. Rice, Sr.
Licensed Surveyor

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Mr. Julius Genachowski
Chairman
Federal Communications Commission
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ESE Consultants, Inc.

7164 Columbia Gateway Drive, Suite 230 • Columbia, MD 21046

p: 410.381.3095 • f: 410.872.4870

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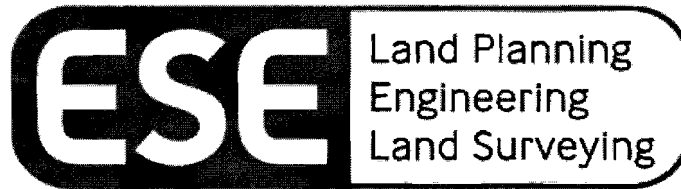
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Sincerely,

A handwritten signature in black ink, appearing to read 'Greg Stewart', with a stylized, cursive script.

Greg Stewart
Professional Land Surveyor MD #21245



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JUL 25 2011

FCC Mail Room

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Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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Sincerely,

A handwritten signature in black ink, appearing to read "Mike Boyce", with a long horizontal flourish extending to the right.

Mike Boyce
Professional Land Surveyor MD #21328

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11-109

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

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Sincerely,

Sara Pierce

Sara E. Pierce
3442 Santee Court
Nottingham, MD 21236

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**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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JULY 20, 2011

11-109
Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

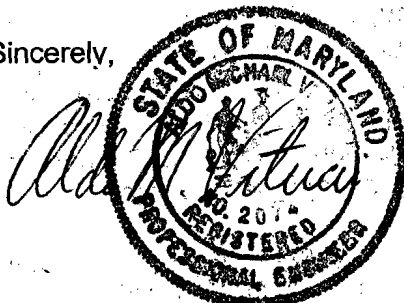
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Sincerely,



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FCC Mail Room

171 Church Lane
North Brunswick, NJ 08902
Tele: 732-422-6700
Fax: 732-940-8786
www.gallassurvey.com

11-109

July 20, 2011

VIA U.S. MAIL

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

ATTENTION: Mr. Julius Genachowski
Chairman

RE: LightSquared, LLC FCC Granting

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in New Jersey, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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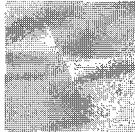
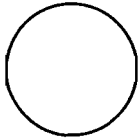
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This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for New Jersey, but also for the United States as a whole. The members of the New Jersey Society of Professional Land Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Thank you for your time and consideration.

Sincerely,


Gregory S. Gallas, P.L.S.
State of New Jersey
Professional Land Surveyor #36244



BEN DYER ASSOCIATES, INC.

Engineers / Surveyors / Planners

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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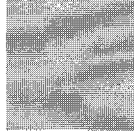
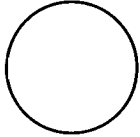
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Sincerely,
Ben Dyer Associates, Inc.

Michael J. Gates
Director of Surveys



BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners

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JUL 25 2011

FCC Mail Room July 20, 2011

Mr. Julius Genachowski, Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Property Line Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

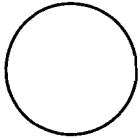
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Sincerely,
Ben Dyer Associates, Inc.

David Alan Hinch
Property Line Surveyor



BEN DYER ASSOCIATES, INC.
Engineers / Surveyors / Planners

E-MAIL: bendyer@bendyer.com

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FCC Mail Room

July 20, 2011

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445 12th Street SW
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Very Truly Yours,
Ben Dyer Associates, Inc.

James D. Hansford, Jr., P.E.
President

cc: Rona Goldberg

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Sincerely,

CARL F. KREUTTER, L.S.


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JUL 25 2011

FCC Mail Room

David Miller
2201 N Wolfsnare Dr
Virginia Beach, VA 23454-2916

July 18, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

Last year, the federal government shut down the Loran navigation system, making recreational mariners solely reliant on GPS for all electronic navigation needs. Like so many other GPS users around the country, GPS is now integrated into our daily outings, and we look to the FCC to protect the integrity of the GPS signal.

Sincerely,



David Miller
7574817249

**FISHER, COLLINS
& CARTER, INC.**

**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

11-109
Received & Inspected Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

JUL 25 2011

FCC Mail Room

JULY 20, 2011

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious reservations in regards to this plan by LightSquared, LLC to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

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This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,

Frank Thanalan



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Land Surveyors
Construction Stakeout
Certified Minority Contractor

11-109
J. A. RICE, INC.

P.O. Box 1288
Millersville, MD 21108
410-987-4286
FAX 410-987-3633

Received & Inspected

July 19, 2011

JUL 25 2011

FCC Mail Room

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

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Sincerely,
J.A. RICE, INC.

Julia A. Rice, Pres.
Julia A. Rice, L.S.
President

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**FISHER, COLLINS
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**CIVIL ENGINEERING CONSULTANTS
and LAND SURVEYORS**

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JUL 25 2011

FCC Mail Room

11-109

Terrell A. Fisher, P.E., L.S.
Earl D. Collins, P.E.
Charles J. Crovo, Sr., P.E., L.S.

Paul W. Kriebel, P.E.
Mark L. Robel, P.L.S.
Aldo M. Vitucci, P.E.

JULY 20, 2011

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Genachowski:

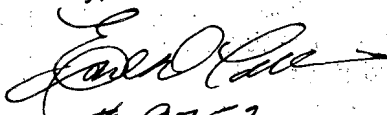
As a licensed Professional Engineer in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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Sincerely,


9753

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Highland Survey Associates, Inc.

11-109

4501 Fawn Grove Road
Street, Maryland 21154



Phone 410-836-1238
Fax 410-836-1278

Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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Sincerely,

Erich J. Schmitt, President
Highland Survey Associates, Inc.

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11-109

Ted Crum
4420 Moraga Ave
Oakland, CA 94611-4236

July 12, 2011

Federal Communications Commission
445 12th St., SW
Room TWA325
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Re: Comments regarding FCC IB Docket No. 11-109, Interference with GPS Signals

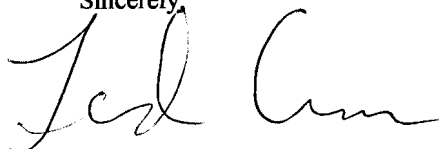
Dear Federal Communications Commission:

As you consider the conditional approval for LightSquared, I write to ask you to preserve the integrity of the nation's GPS system.

I believe that the low-power signal received from the GPS Space Vehicles must be separated from more powerful terrestrial signals by a guardband much larger than is proposed by LightSquared.

Please consider with skepticism any suggestion that directional antennas or presumed future receivers will improve this situation. Microwaves reflect; frequency selectivity at microwave bands requires bulky cavities.

Sincerely,



Ted Crum, BSEE
510-654-7301

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JUL 25 2011

FCC Mail Room

Police Department

301 South Main

Excelsior Springs, Missouri 64024

Office of the Chief of Police

Phone: (816) 630-9500

July 12, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission (FCC)
445 12th Street S.W.
Washington, D.C. 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working
Group Report, IB Docket No. 11-109

Dear Ms. Dortch:

I am writing today to voice my opinion that the FCC approve the deployment of a new 4G-LTE network that will enhance communications capabilities for first responders and others in the public safety community. This new wireless broadband network is proposed by LightSquared, a company that has experience providing communications services to federal, state and local fire, police, rescue and disaster-relief departments.

LightSquared provided satellite phones to FEMA after Hurricane Katrina, keeping vital lines of communications open when other telecom services were down. Last year, LightSquared created its Emergency Rapid Response Communications Team program (ERRT), which rapidly deploys to emergency and disaster locations in the U.S. and Canada. LightSquared existing technology was also recently used in Joplin, Missouri following that community's horrific tornado.

I understand that LightSquared has proposed a solution to resolve the vast majority of the interference issues with GPS signals. I sincerely hope the FCC will facilitate an additional solution for any remaining interference issues and allow LightSquared to deploy its network. It is time to upgrade the nation's wireless broadband capability and allow public safety providers access to this important technology.

Sincerely,

A handwritten signature in black ink, appearing to read "John McGovern".

John McGovern
Chief of Police

Excelsior Springs, Missouri

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Kingston
ENVIRONMENTAL
A Sealaska Diversity Solution

15450 Hangar Road | Kansas City, Missouri 64147
T: 816.524.8811 | F: 816.525.5027
www.kingstonenv.com

11-109

July 7, 2011

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JUL 25 2011

FCC Mail Room

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: LightSquared Subsidiary LLC Request for Modification of its Authority
for an Ancillary Terrestrial Component; SAT-MOD-20101118-00239

Dear Secretary Dortch:

As a company who does clean up in the wake of disasters, I am writing you today to ask for your support for LightSquared's plan to move forward with an innovative new wireless telecommunications network.

As you know, over the past decade, LightSquared has helped first responders complete their missions by providing innovative and reliable mobile satellite communications during emergencies. I know how important it is to have reliable communications having worked with FEMA following Hurricane Katrina. Thankfully, LightSquared was there too providing communications to all of us working to clean up after the disaster.

LightSquared's plans to add 4G service to their satellite network will give emergency personnel an unprecedented level of affordable and reliable communications, allowing all of us who work to get a community back on its feet, to be more effective and safe at times when natural disasters wipe out other telecom capabilities.

I appreciate the efforts of the FCC's technical working group to resolve interference issues and I am confident that with LightSquared's proposed move down the spectrum, any remaining interference can, and should, be resolved by both parties working together. This innovative new technology and GPS can co-exist and move our country's communications needs forward.

Sincerely,

William H. Worley
Director, Kingston Environmental Services, Inc.

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Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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JUL 25 2011

FCC Mail Room

11-109

Dear Chairman Genachowski:

As a licensed Property Line Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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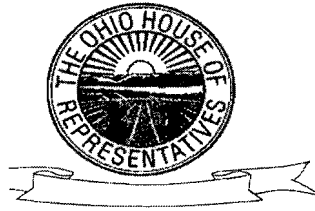
This situation has the potential of becoming a tremendous public safety issue and an economical disaster not only for Maryland, but also for the United States as a whole. The members of the Maryland Society of Surveyors urge you to reject the LightSquared application until such time that all tests conclusively demonstrate there is no risk of interference.

Sincerely,



Anthony Wayne Wilkerson
Property Line Surveyor - Lsc# 54

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Agriculture and Natural Resources

11-109
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JUL 25 2011

FCC Mail Room

June 29, 2011

Marlene Dortch
Office of the Secretary
Federal Communications Commission
445 12th Street, Southwest
Washington DC., 20554

Dear Secretary Dortch:

As members of the Agriculture and Natural Resources Committee of the Ohio House of Representatives, we are writing today to ask that you reconsider the conditional waiver that the International Bureau of the Federal Trade Commission recently granted to LightSquared, a broadband network provider, that will enable it to operate high-speed broadband over frequencies normally used by low-powered satellite-based systems, such as GPS systems. Although we believe that high-speed broadband services have great potential to bring opportunity to rural Ohioans and we support efforts to expand broadband services, we do not think that opportunity should come at the expense of losing global positioning service (GPS).

In addition to the millions of consumers that use GPS services as part of their routine habits, we are especially concerned about the unintended negative impact that this could have on Ohio's more than 70,000 farms and Ohio's farm families, many of whom rely on GPS as an integral part of their farming business. Farmers use GPS to enhance their operations, for mapping field boundaries, roads, irrigation systems, precision planting, the application of chemicals and fertilizer and to address problem areas in crops such as weeds or disease. The accuracy of GPS is vital for farmers to create farm maps with precise acreage for field areas and road locations. GPS also allows farmers to accurately navigate to specific locations in the field, year after year, for the collection of soil samples. GPS also allows farmers to work during low-visibility field conditions such as rain, dust, fog and darkness.

Precision agriculture allows farmers to run efficient, economical and environmentally friendly operations. It allows farmers to collect accurate geographical data of the farm, which can then be used to apply site-specific treatments to increase agricultural production and protect the environment. It is the accuracy of the GPS that allows the farmer the ability to limit input costs, for example the cost and application of fertilizer, and run an efficient operation. Any disruption to the GPS has the potential to increase input costs of the operation and prevent Ohio's farmers from running efficient, economical and environmentally friendly operations.

Agriculture is Ohio's number one industry with a total economic impact of more than \$107 billion in our state. As such, we are extremely concerned with the FCC granting LightSquared this conditional permit until such time that we know that there will not be an unintended adverse impact on GPS functions. While the deployment of broadband services is important to the economic


development and stability to rural Ohio, the use of precision agriculture is also vital to Ohio's farmers as they continue to feed, fuel and clothe the world.


Thus, we respectfully request reconsideration of the order granting LightSquared conditional authority to proceed with the construction of high-powered cellular base stations, which will interfere with the frequency used by the GPS and ask that the FCC consider the following after reconsideration:

- Consider and give proper weight to incumbent spectrum user concerns that LightSquared's proposed use will create devastating interference to GPS receivers and licensed MSS-based augmentation signals.
- Consider LightSquared's request to operate a nationwide network of powerful cellular base stations in the L-band under different technical and operational rules as a reallocation of spectrum that merits public comment and participation in a transparent rulemaking.
- Establish an effective process to scientifically evaluate the interference impact of LightSquared's proposed operations on GPS services, as opposed to the present "working group" procedure. This "working group" procedure empowers LightSquared to set the agenda and direct the testing process, which fails to address many other requirements necessary to fairly and impartially evaluate proposed terrestrial operations in the L-band. This process should be open, impartial, deliberate and should encourage public participation from existing users and technical experts. The FCC should assume a more direct role in this process and contribute its institutional knowledge, engineering prowess and laboratory facilities. Adequate time should be allocated to this process, and public comment should be sought on test plans and results and at other critical junctures during the process of testing and evaluating new technology for the L-band.

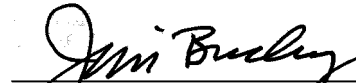
We appreciate the work of the FCC to provide rural Ohio with high-speed broadband services, but not at the expense of losing GPS. Thank you for your consideration.

Sincerely:

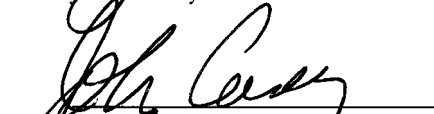

Dave Hall, Chairman



Terry Boose



Tim Derickson, Vice Chair


Jim Buchy


Teresa Fedor, Ranking Member


John Carey


Troy Balderson


Kathleen Clyde

Rex Damschroder

Rex Damschroder

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Bob Peterson

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Debbie Phillips

Debbie Phillips

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Margaret Ann Ruhl

Margaret Ann Ruhl

Al Landis

Al Landis

Andrew M. Thompson

Andrew Thompson

Dale Mallory

Dale Mallory

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JUL 25 2011

FCC Mail Room

STATE OF KANSAS
HOUSE OF REPRESENTATIVES

PAUL DAVIS
REPRESENTATIVE 46TH DISTRICT
1731 INDIANA
LAWRENCE, KANSAS 66044
(785) 749-1942



STATE CAPITOL, ROOM 359-W
TOPEKA, KANSAS 66612
paul.davis@house.ks.gov
(785) 296-7630

TOPEKA
HOUSE DEMOCRATIC LEADER

July 13, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Comment Deadlines Established Regarding the LightSquared Technical Working Group Report, IB
Docket No. 11-109

Dear Ms. Dortch:

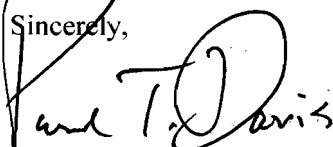
This past legislative session, my colleagues and I passed Kansas House Resolution 6027 urging modifications to The National Broadband Plan for the benefit of the residents of Kansas (copy enclosed). As you can see, the resolution states, "Children living in rural areas should have the same educational opportunities as their urban counterparts, and high-speed internet access is absolutely necessary to allow these students opportunities for advanced learning through distance education."

The digital divide that exists in Kansas give advantages to some children over others. Private-sector investment in broadband networks can bridge that divide. A specific example is LightSquared, a company that plans to roll out a next-generation broadband wireless network nationally within the next few years, bringing state-of-the-art high-speed Internet to wireless devices in rural Kansas – in some cases, for the first time.

LightSquared's network will combine traditional cell phone towers with satellite capabilities, providing a seamless backup in the case of natural disasters or other emergencies. And LightSquared's wholesale business model will allow a range of competitors to enter the market as wireless service providers, re-selling LightSquared's service to businesses and consumer and reinvigorating competition in this key sector.

I understand the FCC is working with LightSquared and other stakeholders to assure that this innovative new network can move forward without interfering with existing telecommunications services. I hope you that you will expeditiously move forward and allow this network to deploy. Thank you for your consideration.

Sincerely,


Paul Davis

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Mr. Julius Genachowski
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Dear Chairman Genachowski:

As a licensed Professional Land Surveyor in Maryland, I must express serious concerns regarding the Federal Communications Commission (FCC) granting LightSquared, LLC conditional approval to build a nationwide 4G-LTE wireless broadband network (FCC File No. SAT-MOD-20101118-00239). Early testing by GPS technology leaders, Garmin and Trimble Navigation, demonstrated that LightSquared's technology would likely interfere with Global Positioning System (GPS) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

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Sincerely,


Chris Alvey

Professional Land Surveyor - Lsc# 21269

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The Honorable Julius Genachowski
Chairman
U.S. Federal Communications Commission
445 12th Street, SW
Washington, D.C. 20554

Received & Inspected

JUL 25 2011

FCC Mail Room

Subject: IB Docket Number 11-109. FCC File No. SAT-Mod-20101118-00239,
LightSquared Subsidiary LLC (LightSquared) Request for Modification of its Authority for an
Ancillary Terrestrial Component

Dear Chairman Genachowski:

I serve as the President of the Association of Unmanned Vehicle Systems International District of Columbia Chapter (AUVSI DC Capitol Chapter). We have approximately 350 members representing many, many organizations in and around the Washington, DC area.

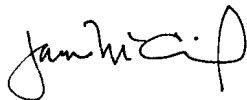
As members of the unmanned systems community we are deeply concerned about a current waiver request from LightSquared to operate high-powered terrestrial transmitters on a radio frequency adjacent to the weak satellite-based Global Positioning System (GPS). Independent studies show that LightSquared's terrestrial operations could completely knockout GPS receivers for miles around each transmitter.

We ask that before the Federal Communications Commission grants LightSquared this waiver, more research and studies be done to assess the impact this initiative may have on GPS, and as a consequence the unmanned systems community.

As you know, all around the world, unmanned systems (air, ground, and maritime) rely on accurate, dependable GPS signals. The lack of a reliable GPS signal poses a serious threat to our public safety and national defense, and the potential expense of retrofitting or replacing affected GPS receivers would truly be an undue burden.

I ask that you take careful consideration of the potential harm LightSquared's proposed plan would have on the emerging field of unmanned systems, not to mention all other users of GPS. Thank you for the opportunity to submit comments for the official record.

Sincerely,



Jay McConville
President
AUVSI DC Capitol Chapter

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